

| OIPE              | Page 1 of 3 Pages [   | ] Original [ ] Substitu   | ite [ ] Supplemental   | Atty. Docket:  |
|-------------------|---|---|--|--|
| AR 1 1 2          |   | Declaration for Paten   | t Applicati n and Powe   | er of Attorney   |
| ev                | As selow-named inventor, I                                      | hereby declare that:  |  |  |
| R <sub>4DFM</sub> | and sole inventor (if only one                                  | ress and citizenship are as state<br>name is listed below) or an orig<br>d and for which a patent is soug   | d below next to my name; and that<br>inal, first and joint inventor (if plu<br>ht on the invention entitled  | t I believe I am the original, first<br>ral names are listed below) of the   |
|                   | Reactor vessel array  |   |  | COPY OF PAPE   |
|                   | the specification of which (che                                 | eck one)  |  | ORIGINALLY FIL   |
|                   | [X] was filed<br>U.S. Ap<br>[] was/will<br>(PCT) aj<br>national | pln. No <u>10/027, 752</u> *; or<br>be filed in the U.S. under 35 Upplication, PCT/; filestage application received U.S.  | J.S.C. §111 on December 20,200  J.S.C. §371 by entry into the U.S. led, entry req  Appln. No*; §371/§1   | national stage of an international   |
|                   | (* if kno   | own)  |  |  |
|                   | and was amended on(include                                      | e dates of amendments under PCT A   | ·  | ,  |
|                   | and was amended on  | and the contents of the above-<br>and I acknowledge the duty to<br>patentability as defined in 37 C<br>benefits under 35 U.S.C. §§ 11<br>(a) of any prior PCT application<br>also identified below, by check  | identified specification, including disclose to the Patent and Tradem F.R. §1.56.  9 (a)-(d) and 365 (b) of any prior for (s) designating a country other thanking the "No" box, any foreign ap  | the claims, as amended by any tark Office (PTO) all information or or application(s) for patent or an the U.S., listed below with the oplication for patent or inventor's  |
|                   | and was amended on  | and the contents of the above-<br>and I acknowledge the duty to<br>patentability as defined in 37 C<br>benefits under 35 U.S.C. §§ 11<br>(a) of any prior PCT application<br>also identified below, by checil<br>application having a filing date               | identified specification, including disclose to the Patent and Tradem F.R. §1.56.  9 (a)-(d) and 365 (b) of any prior for (s) designating a country other that king the "No" box, any foreign aper before that of the application on we  | the claims, as amended by any tark Office (PTO) all information or or application(s) for patent or an the U.S., listed below with the oplication for patent or inventor's which priority is claimed:   |
|                   | and was amended on  | and the contents of the above-<br>and I acknowledge the duty to<br>patentability as defined in 37 C<br>benefits under 35 U.S.C. §§ 11<br>(a) of any prior PCT application<br>also identified below, by check  | identified specification, including disclose to the Patent and Tradem F.R. §1.56.  9 (a)-(d) and 365 (b) of any prior for (s) designating a country other thanking the "No" box, any foreign ap  | the claims, as amended by any lark Office (PTO) all information or or in the U.S., listed below with the uplication for patent or inventor's which priority is claimed:  [X ] [ ] YES NO   |
|                   | and was amended on  | and the contents of the above-<br>and I acknowledge the duty to<br>patentability as defined in 37 C<br>benefits under 35 U.S.C. §§ 11<br>(a) of any prior PCT application<br>also identified below, by chec<br>I application having a filing date               | identified specification, including disclose to the Patent and Tradem.F.R. §1.56.  9 (a)-(d) and 365 (b) of any prior for a country other that king the "No" box, any foreign ap to before that of the application on w  | the claims, as amended by any lark Office (PTO) all information oreign application(s) for patent or in the U.S., listed below with the oplication for patent or inventor's which priority is claimed:  [X] []                                    |
|                   | and was amended on  | and the contents of the above- and I acknowledge the duty to patentability as defined in 37 C benefits under 35 U.S.C. §§ 11 (a) of any prior PCT application also identified below, by checil application having a filing date    Europe   (Country) (Country) | identified specification, including disclose to the Patent and Tradem F.R. §1.56.  9 (a)-(d) and 365 (b) of any prior for (a) (c) designating a country other than (b) designating a country other than (c) before that of the application on we consider that (Day Month Year, Filed)           | the claims, as amended by any park Office (PTO) all information or eign application(s) for patent or an the U.S., listed below with the application for patent or inventor's which priority is claimed:  [X] [] YES NO [] [] YES NO [] [] YES NO |
|                   | and was amended on  | and the contents of the above- and I acknowledge the duty to patentability as defined in 37 C benefits under 35 U.S.C. §§ 11 (a) of any prior PCT application also identified below, by checil application having a filing date    Europe   (Country) (Country) | identified specification, including disclose to the Patent and Tradem F.R. §1.56.  9 (a)-(d) and 365 (b) of any prior for (a) designating a country other that king the "No" box, any foreign appete before that of the application on we are the country of the prior of (Day Month Year Filed) | the claims, as amended by any park Office (PTO) all information or eign application(s) for patent or in the U.S., listed below with the uplication for patent or inventor's which priority is claimed:  [X] [] YES NO [] [] YES NO [] [] YES NO  |

I hereby claim the benefit under 35 U.S.C. §120 of any prior U.S. non-provisional application(s) or under §365(c) of any prior PCT international application(s) designating the U.S., listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such U.S. or PCT international application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the PTO all information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| PCT/GB00/02501    | 23rd June 2000         |  |
|-------------------|------------------------|--|
| (Application No.) | (Day Month Year Filed) | (Status: patented, pending, abandoned) |
| (Application No.) | (Day Month Year Filed) | (Status: patented, pending, abandoned) |

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Charles R. Hoffmann, Reg.No. 24,102 Ronald J. Baron, Reg.No. 29,281 (continued on page 3)

Direct all correspondence to:

Messrs. Hoffmann & Baron

1055 Parsippany Blvd.,

PARSIPPANY NJ 07054 United States of America

The undersigned hereby authorizes the U.S. Attorneys or Agents appointed herein to accept and follow instructions from <a href="Exter Polak & Charlouis B.V., P.O. Box 3241, 2280 GE RIJSWIJK, The Netherlands">Exter Polak & Charlouis B.V., P.O. Box 3241, 2280 GE RIJSWIJK, The Netherlands</a> as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. Attorneys or Agents and the undersigned. In the event of a change of the persons from whom instructions may be taken, the U.S. Attorneys or Agents appointed herein will be so notified by the undersigned.

| Page 2 of 3 Pages   |   |  | Atty. Docket:              |
|---|---|--|----------------------------|
| Title: Reactor vessel array   | Carial No.  |  |                            |
| U.S. Application filed  | , Serial No   |  |                            |
| PCT Application filed   | , Senai No  | <del>_</del>                                 |                            |
| I hereby further declare that all statements made herein of<br>and belief are believed to be true; and that these statement<br>so made are punishable by fine or imprisonment, or bo<br>jeopardize the validity of the application or any patent issu   | s were made with the knowledge oth, under 18 U.S.C. §1001 and | that willful fals                            | se statements and the like |
| FULL NAME OF FIRST INVENTOR   | INVENTOR'S SIGNATURE  | _  | DATE                       |
| Peter John VAN DEN BRINK  | 977/2   |  | February 4, 2002           |
| RESIDENCE   |   | CITIZENSHIP                                  |                            |
| Amsterdam, The Netherlands  |   | Netherlands                                  |                            |
| POST OFFICE ADDRESS   |   |  |                            |
| Badhuisweg 3, 1031 CM AMSTERDAM, The Ne   | therlands   | <del></del>                                  |                            |
| FULL NAME OF SECOND JOINT INVENTOR  | INVENTOR'S SIGNATURE  |  | DATE                       |
| Mark CROCKER  | M. Carl   |  | February 4, 2002           |
| RESIDENCE   |   | CITIZENSHIP                                  |                            |
| Amsterdam, The Netherlands  |   | Netherlands                                  |                            |
| POST OFFICE ADDRESS   |   |  |                            |
| Badhuisweg 3, 1031 CM AMSTERDAM, The Ne   | therlands   |  |                            |
| FULL NAME OF THIRD JOINT INVENTOR   | INVENTOR'S SIGNATURE  |  | DATE                       |
| Bashir Husein HARJI   | 53/10 12 0  |  | February 4, 2002           |
| RESIDENCE Cottenham   |   | CITIZENSHIP                                  |                            |
| x <b>⊘ambridgs</b> , United Kingdom   | ( )   | United King                                  | dom                        |
| POST OFFICE ADDRESS 7 The Rowells, Cotten   | nham CB4 8XJ  |  |                            |
| YLAGYANAGGAF ROXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |   |  |                            |
| FULL NAME OF FOURTH JOINT INVENTOR  | INVENTOR'S SIGNATURE  | ***  | DATE                       |
| Thomas MASCHMEYER   | 16 llabourse  | _  | February 4, 2002           |
| RESIDENCE   |   | CITIZENSHIP                                  |                            |
| Delft, The Netherlands  | /   | Netherlands                                  |                            |
| POST OFFICE ADDRESS   |   |  |                            |
| Julianalaan 134 2628 BL DELFT, The Netherland   | ds ,  |  |                            |
| FULL NAME OF FIFTH JOINT INVENTOR   | INVENTOR'S SIGNATURE  |  | DATE                       |
| Jan Cornelis VAN DER WAAL   | I Jusil   |  | February 4, 2002           |
| RESIDENCE   |   | CITIZENSHIP                                  |                            |
| Amsterdam, The Netherlands  | /   | Netherlands                                  |                            |
| POST OFFICE ADDRESS   |   |  |                            |
| Badhuisweg 3, 1031 CM AMSTERDAM, The Ne   | therlands   |  |                            |
| FULL NAME OF SIXTH JOINT INVENTOR   | INVENTOR'S SIGNATURE  |  | DATE                       |
|   |   |  |                            |
| RESIDENCE   |   | CITIZENSHIP                                  | I                          |
| indispersion of the second of |   |  |                            |
| POST OFFICE ADDRESS   |   | <u>.                                    </u> |                            |
| W   | 4   |  | T                          |
| FULL NAME OF SEVENTH JOINT INVENTOR   | INVENTOR'S SIGNATURE  |  | DATE                       |
| RESIDENCE   | <u> </u>  | CITIZENSHIP                                  |                            |
|   |   |  |                            |
| POST OFFICE ADDRESS   | •   | <del></del>                                  |                            |

~ :...

ALL INVENTORS MUST REVIEW APPLICATION AND DECLARATION BEFORE SIGNING. ALL ALTERATIONS MUST BE INITIALED AND DATED BY ALL INVENTORS PRIOR TO EXECUTION. NO ALTERATIONS CAN BE MADE AFTER THE DECLARATION IS SIGNED. ALL PAGES OF DECLARATION MUST BE SEEN BY ALL INVENTORS

Page 3 of 3 Pages

## UNITED STATES OF AMERICA DECLARATION FOR PATENT APPLICATION

## I hereby further appoint:

| Gerald T. Bodner     | Reg.No. | 30,449 |
|----------------------|---------|--------|
| Alan M. Sack         | Reg.No. |        |
| A. Thomas Kammer     | Reg.No. | 28,226 |
| R. Glenn Schroeder   | Reg.No. | 34,720 |
| Glenn T. Henneberger | Reg.No. | 36,074 |
| Irving N. Feit       | Reg.No. | 28,601 |
| Anthony E. Bennett   | Reg.No. | 40,910 |
| Gregory A. Bachmann  | Reg.No. | 41,593 |
| Steven T. Zuschlag   | Reg.No. | 43,309 |
| Susan A. Sipos       | Reg.No. | 43,128 |
| Kevin E. McDermott   | Reg.No. | 35,946 |
| Robert C. Morriss    | Reg.No. | 42,910 |
| Roderick S.W. Turner | Reg.No. | 38,639 |
| James F. Harrington  | Reg.No. | 44,741 |
| Richard LaCava       | Reg.No. | 41,135 |
| Algis Anilionis      | Reg.No. | 36,995 |
| Justin K. Holmes     | Reg.No. | 42,666 |
| Joseph J. Catanzaro  | Reg.No. | 25,837 |

each of them of HOFFMANN & BARON, LLP, 6900 Jericho Turnpike, Syosset, New York 11791

| Daniel A. Scola, Jr.    | Reg.No. | 29,855 |
|-------------------------|---------|--------|
| Salvatore J. Abbruzzese | Reg.No. | 30,152 |
| Mark E. Baron           | Reg.No. | 46,160 |
| Kellyanne Merkel        | Reg.No. | 43,800 |
| John S. Sopko           | Reg.No. | 41,321 |
| Barry H. Jacobsen       | Reg.No. | 43,689 |
| Gloria K. Szakiel       | Reg.No. | 45,149 |
| Christina L. Warrick    | Reg.No. | 45,690 |

each of them of HOFFMANN & BARON, LLP, 1055 Parsippany Boulevard, Parsippany, New Jersey 07054